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Statistics/Data Analysis

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Special Edition

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Notes:

1. Unicode is supported; see help unicode_advice.
2. Maximum number of variables is set to 5000; see help set_maxvar.

running C:\Program Files\Stata16\profile.do ...

```
. logit f.ac v2peapsgeo EFindex lmtnest pop Cp2 Cp3 Cp4 Cp5 Cp6 Cp7 Cp8 Cp9 s1 s2 s3, cl(ccode)
```

```

Iteration 0: log pseudolikelihood = -144.29798
Iteration 1: log pseudolikelihood = -136.15036
Iteration 2: log pseudolikelihood = -134.54246
Iteration 3: log pseudolikelihood = -134.46264
Iteration 4: log pseudolikelihood = -134.44543
Iteration 5: log pseudolikelihood = -134.44495
Iteration 6: log pseudolikelihood = -134.44495

```

```

Logistic regression      Number of obs   =      1,560
                        Wald chi2(15)         =     1907.44
                        Prob > chi2          =      0.0000
Log pseudolikelihood = -134.44495      Pseudo R2       =      0.0683

```

(Std. Err. adjusted for 39 clusters in ccode)

	F.ac	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
v2peapsgeo		-.7892145	.2046189	-3.86	0.000	-1.19026	-.3881687
EFindex		.3584356	.8609232	0.42	0.677	-1.328943	2.045814
lmtnest		.1184448	.1599044	0.74	0.459	-.194962	.4318516
pop		.3999199	.1716047	2.33	0.020	.0635809	.7362589
Cp2		-2.780074	1.252703	-2.22	0.026	-5.235328	-.3248212
Cp3		-2.286236	1.246375	-1.83	0.067	-4.729087	.1566145
Cp4		3.176601	.7834404	4.05	0.000	1.641086	4.712116
Cp5		-11.6815	4.023163	-2.90	0.004	-19.56675	-3.796242
Cp6		12.70152	4.011044	3.17	0.002	4.840014	20.56302
Cp7		.017851	.0685788	0.26	0.795	-.1165611	.152263
Cp8		-1.195659	.542805	-2.20	0.028	-2.259537	-.1317806
Cp9		2.930504	2.098301	1.40	0.163	-1.18209	7.043097
s1		.015034	.1326027	0.11	0.910	-.2448626	.2749305
s2		.0011902	.0064846	0.18	0.854	-.0115195	.0138998
s3		-.0000213	.0000851	-0.25	0.803	-.000188	.0001455
_cons		-8.229632	1.377131	-5.98	0.000	-10.92876	-5.530505

Note: 1 failure and 0 successes completely determined.

```
. logit f.ac v2peapsgeo agdp v2xeg_eqdr EFindex lmtnest pop Cp2 Cp3 Cp4 Cp5 Cp6 Cp7 Cp8 Cp9 s1 s2 s3, cl(c)
> code)
```

```
Iteration 0: log pseudolikelihood = -144.29798
```

```

Iteration 1: log pseudolikelihood = -135.28147
Iteration 2: log pseudolikelihood = -132.82889
Iteration 3: log pseudolikelihood = -132.7332
Iteration 4: log pseudolikelihood = -132.71067
Iteration 5: log pseudolikelihood = -132.70984
Iteration 6: log pseudolikelihood = -132.70984

```

```

Logistic regression          Number of obs   =    1,560
                             Wald chi2(17)        =    263.04
                             Prob > chi2         =    0.0000
Log pseudolikelihood = -132.70984   Pseudo R2      =    0.0803

```

(Std. Err. adjusted for 39 clusters in ccode)

F.ac	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
v2peapsgeo	-.4687699	.1905416	-2.46	0.014	-.8422246	-.0953151
agdp	-.4573645	.2606385	-1.75	0.079	-.9682066	.0534777
v2xeg_eqdr	-2.067799	.7979869	-2.59	0.010	-3.631824	-.503773
EFindex	.6406342	.8441206	0.76	0.448	-1.013812	2.29508
lmtnest	.0915406	.1510589	0.61	0.545	-.2045293	.3876106
pop	.4229952	.1721033	2.46	0.014	.085679	.7603115
Cp2	-3.350673	1.298539	-2.58	0.010	-5.895762	-.8055834
Cp3	-2.445863	1.28522	-1.90	0.057	-4.964847	.0731213
Cp4	3.602735	1.12082	3.21	0.001	1.405969	5.799502
Cp5	-12.10004	4.324642	-2.80	0.005	-20.57618	-3.623898
Cp6	13.65401	4.384259	3.11	0.002	5.061024	22.247
Cp7	-.0875441	.0421078	-2.08	0.038	-.1700738	-.0050144
Cp8	-1.397475	.6521683	-2.14	0.032	-2.675702	-.1192487
Cp9	3.104409	2.015647	1.54	0.124	-.8461876	7.055005
s1	.0592685	.138471	0.43	0.669	-.2121296	.3306666
s2	-.000616	.0067452	-0.09	0.927	-.0138364	.0126044
s3	-1.45e-06	.0000887	-0.02	0.987	-.0001752	.0001723
_cons	-7.103879	1.460962	-4.86	0.000	-9.967311	-4.240446

Note: 1 failure and 0 successes completely determined.

```
. logit f.ac v2peapsgeo dem EFindex lmtnest pop Cp2 Cp3 Cp4 Cp5 Cp6 Cp7 Cp8 Cp9 s1 s2 s3, cl(ccode)
```

```

Iteration 0: log pseudolikelihood = -139.63554
Iteration 1: log pseudolikelihood = -130.34396
Iteration 2: log pseudolikelihood = -127.68845
Iteration 3: log pseudolikelihood = -127.4857
Iteration 4: log pseudolikelihood = -127.4561
Iteration 5: log pseudolikelihood = -127.4551
Iteration 6: log pseudolikelihood = -127.4551

```

```

Logistic regression          Number of obs   =    1,523
                             Wald chi2(16)        =    569.86
                             Prob > chi2         =    0.0000
Log pseudolikelihood = -127.4551   Pseudo R2      =    0.0872

```

(Std. Err. adjusted for 39 clusters in ccode)

F.ac	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
v2peapsgeo	-.7335494	.2296552	-3.19	0.001	-1.183665	-.2834335
dem	-.0420525	.0386562	-1.09	0.277	-.1178171	.0337122
EFindex	.2471982	.8434116	0.29	0.769	-1.405858	1.900254
lmtnest	.1186414	.1601501	0.74	0.459	-.195247	.4325297
pop	.4402326	.1847278	2.38	0.017	.0781727	.8022925
Cp2	-5.082944	1.465115	-3.47	0.001	-7.954517	-2.211371
Cp3	-3.578339	1.319445	-2.71	0.007	-6.164404	-.9922744
Cp4	-4.962992	4.412181	-1.12	0.261	-13.61071	3.684723
Cp5	-1.139317	.4185595	-2.72	0.006	-1.959678	-.3189554

Log pseudolikelihood = -116.91047 Pseudo R2 = 0.0795

(Std. Err. adjusted for 39 clusters in ccode)

F.ac	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
v2peapsgeo	-.6909614	.2534895	-2.73	0.006	-1.187792	-.194131
discpop	.2963531	.5885598	0.50	0.615	-.8572028	1.449909
EFindex	.2860736	.8161614	0.35	0.726	-1.313573	1.885721
lmtnest	.0327703	.1764502	0.19	0.853	-.3130658	.3786063
pop	.4089781	.1881655	2.17	0.030	.0401805	.7777757
Cp2	-12.79567	5.415594	-2.36	0.018	-23.41004	-2.1813
Cp3	-13.43249	8.623469	-1.56	0.119	-30.33418	3.469195
Cp4	.5240444	1.1948	0.44	0.661	-1.81772	2.865809
Cp5	1.119519	5.181475	0.22	0.829	-9.035985	11.27502
Cp6	23.58383	5.955378	3.96	0.000	11.91151	35.25616
Cp7	-.0257302	.0731907	-0.35	0.725	-.1691814	.117721
Cp8	-4.133423	3.343356	-1.24	0.216	-10.68628	2.419435
Cp9	4.975105	4.606035	1.08	0.280	-4.052557	14.00277
s1	-.1657999	.134736	-1.23	0.218	-.4298777	.0982779
s2	.0103917	.007172	1.45	0.147	-.0036652	.0244486
s3	-.0001474	.0001063	-1.39	0.166	-.0003558	.000061
_cons	-7.174554	1.351836	-5.31	0.000	-9.824103	-4.525005

Note: 10 failures and 0 successes completely determined.

```
. logit f.ac v2peapsgeo v2pepwrgeo EFindex lmtnest pop Cp2 Cp3 Cp4 Cp5 Cp6 Cp7 Cp8 Cp9 s1 s2 s3,
cl(ccode
> )
```

```
Iteration 0: log pseudolikelihood = -144.29798
Iteration 1: log pseudolikelihood = -135.9813
Iteration 2: log pseudolikelihood = -134.22622
Iteration 3: log pseudolikelihood = -134.14814
Iteration 4: log pseudolikelihood = -134.13201
Iteration 5: log pseudolikelihood = -134.13149
Iteration 6: log pseudolikelihood = -134.13149
```

```
Logistic regression                      Number of obs                      =                      1,560
                                         Wald chi2(16)                      =                      1964.50
                                         Prob > chi2                      =                      0.0000
Log pseudolikelihood = -134.13149                      Pseudo R2                      =                      0.0705
```

(Std. Err. adjusted for 39 clusters in ccode)

F.ac	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
v2peapsgeo	-.668502	.2602049	-2.57	0.010	-1.178494	-.1585099
v2pepwrgeo	-.1810294	.2156421	-0.84	0.401	-.6036801	.2416213
EFindex	.5290491	1.016307	0.52	0.603	-1.462875	2.520974
lmtnest	.1401955	.1618461	0.87	0.386	-.177017	.457408
pop	.4286151	.1705149	2.51	0.012	.0944121	.7628181
Cp2	-2.69912	1.271115	-2.12	0.034	-5.190459	-.207781
Cp3	-2.167812	1.289096	-1.68	0.093	-4.694394	.3587709
Cp4	3.043366	.776896	3.92	0.000	1.520678	4.566054
Cp5	-11.21369	4.003542	-2.80	0.005	-19.06049	-3.366892
Cp6	12.25363	3.95578	3.10	0.002	4.500439	20.00681
Cp7	.0219398	.066971	0.33	0.743	-.109321	.1532006
Cp8	-1.079076	.5250514	-2.06	0.040	-2.108158	-.0499942
Cp9	2.765006	1.926664	1.44	0.151	-1.011186	6.541198
s1	.0229291	.1316907	0.17	0.862	-.23518	.2810382
s2	.0009083	.006478	0.14	0.888	-.0117884	.0136049
s3	-.0000187	.0000852	-0.22	0.826	-.0001857	.0001482
_cons	-8.56753	1.402748	-6.11	0.000	-11.31687	-5.818194

Note: 1 failure and 0 successes completely determined.

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